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## (54) PRODUCTION OF AROMATIC CHLORINATED HYDROCARBON

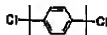
(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an aromatic chlorinated hydrocarbon compound useful as a cation polymerization initiator by using a specific compound, a specified solvent which cannot be chlorinated, an aqueous metal hypochlorite salt solution, and a protonic acid as raw materials.

SOLUTION: This method for producing an aromatic chlorinated hydrocarbon compound of the formula:  $C_nH_m(CR_1R_2Cl)_k$  [(n) is 6-12; (m) is 0-9; (k) is 1-10; R<sub>1</sub> and R<sub>2</sub> are each a (substituted) monovalent 1-5C aliphatic saturated hydrocarbon] (for example, a compound of formula II) comprises using (A) a compound of the formula:  $C_nH_m(CHR_1R_2Cl)_k$  (for example, a compound of formula I), (B) a solvent [preferably an aromatic solvent of the formula:  $Z(R_3)_y$  [Z is an aromatic hydrocarbon; R<sub>3</sub> is C or a monovalent substituent comprising a halogen; (y) is 1-3] whose  $\geq 95$  wt.% is not chlorinated, even when mixed with hypochlorous acid having a chlorine concentration of  $\geq 0.4$  mol/kg determined by a titration method and subsequently stirred in an ice bath for 2 hr, (C) an aqueous metal hypochlorite salt solution and (D) a protonic acid as raw materials.



I



II

## LEGAL STATUS

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